

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	10/723,994	Confirmation No. 7981
Applicants	:	Martin Newman et al.	
Filed	:	November 25, 2003	
Title	:	GOLF CLUB STRIKING FACE	
TC/A.U.	:	3711	
Examiner	:	Michael S. Chambers	
Docket No.	:	0EKM-108414	
Customer No.	:	30764	
Date	:	July 23, 2007	

Amendment After Allowance Under 37 C.F.R. § 1.312

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants respectfully request entry of this amendment pursuant to 37 C.F.R. § 1.312. Please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims that begins on page 5 of this paper.

Remarks/Arguments begin on page 8 of this paper.

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TC/A.U.	:	3711	
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Docket No.	:	0EKM-108414	
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Date	:	July 24, 2007	

Second Amendment After Allowance Under 37 C.F.R. § 1.312

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants respectfully request entry of this amendment pursuant to
37 C.F.R. § 1.312. Please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.

Please replace the Abstract of the Disclosure with the following amended paragraph:

[0041] A golf club head in accordance with the invention includes ~~a front wall defining a forward striking face having an engineered texture thereon. The engineered texture includes a prescribed, regular pattern of discrete, geometric shapes spaced at least 0.1 mm apart from each other, each shape having a volume that is less than 0.0007 mm³. Preferred methods of manufacturing the engineered texture of the forward striking face include treating the face by chemical etching, precision micro-saw cutting, and laser cutting. The engineered texture enhances the performance of the golf club head upon striking a golf ball, providing one or more of an increased high backspin, a lower launch angle, and a higher ball speed, as compared to a golf club head not incorporating such an engineered texture.~~ a forward striking face that comprises a substantially planar recessed surface and a plurality of discrete, solid geometric shapes projecting forward from the recessed surface. Each of the geometric shapes has a volume of less than 0.0007 mm³. The distance along the recessed surface between adjacent shapes is at least 0.1 mm. The total volume of the geometric shapes contained within a square reference region measuring 2.5 mm by 2.5 mm is less than 0.05 mm³.

[0009] In an optional feature of the invention, the engineered texture can include a prescribed pattern of a first plurality of geometric shapes and a second plurality of geometric shapes. The first plurality of shapes preferably are positioned adjacent to the second plurality of shapes.

[0010] The invention also resides in a method of manufacturing a golf club face plate of the kind described above. Preferred methods include chemical etching, precision micro saw-cutting, and laser cutting. Grooves forming a scoreline pattern can be provided on the striking surface, as well.

[0011] In forming a complete golf club head, the golf club face plate can be integrally formed with a body of the club head, or it can be separately formed as a face plate that is attached to the body. The invention can be advantageously used in a wood-type head (loft angle less than about 15°), a utility-type club head (loft angle less than about 25°) or an iron-type club head (loft angle at least about 18°). The invention provides particular advantages for a wedge-type club head (loft angle greater than about 45°).

[0012] For purposes of summarizing the invention and the advantages achieved over the prior art, certain advantages of the invention have been described. Of course, it is to be understood that all such advantages might not be achieved by any one particular embodiment of the invention. Those skilled in the art will recognize that the invention can be embodied or carried out in a manner that achieves or optimizes one advantage, or group of advantages, as taught herein, without necessarily achieving other advantages taught or suggested herein.

[0013] All of these embodiments are intended to be within the scope of the invention herein disclosed. These and other embodiments of the present invention will become readily apparent to those skilled in the art from the following detailed description of the preferred embodiments, having reference to the attached illustrative figures. The invention is not limited to any particular preferred embodiment(s) disclosed.